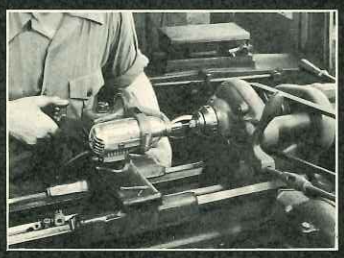
A New Grinder-Miller With Speed, Power, Durability and Precision



Precise®

SUPER 30

45,000 R.P.M. • 1/5 H.P. • WEIGHS 35 OUNCES

OUTWORKS, OUTLASTS ANY TOOL IN ITS FIELD

45,000 R. P. M. *and* 1/5 H. P. *in* ONLY 35 OUNCES

Twice the speed and power *with precision* in smaller size and less weight. The first and only tool of its size that will operate *tungsten carbide* mills as efficiently as conventional rotary tools for grinding, milling, finishing, small-diameter drilling, sawing and polishing.

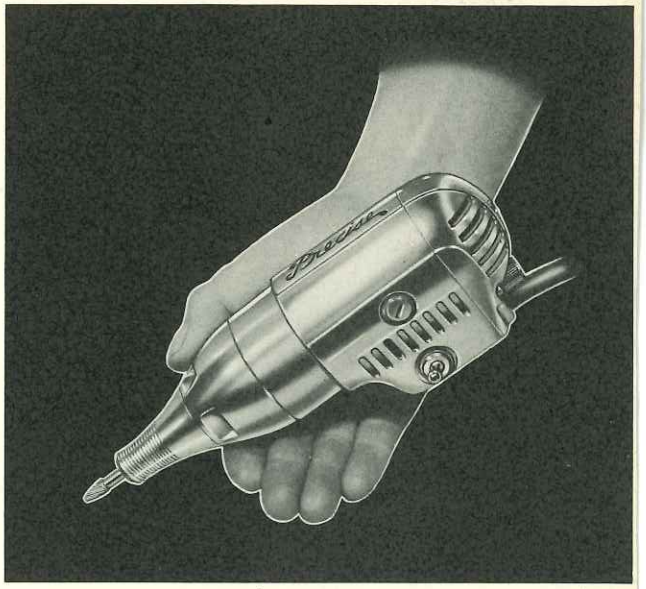
Turned at high speeds, the new one-piece dynamically and statically balanced PRECISE Spindle with precision Draw Collet Chuck insure the utmost accuracy. A finer finish is obtained in less time on any material from wood to the hardest alloy steel.

Draw Collet Chuck of ultimate accuracy, a precision type used heretofore only on good lathes, opens instantly for collet or tool change when a hex wrench is applied at top end of tool. Spindle turns on two over-size micro-precision bearings with lubricant sealed in for life.

PRECISE SUPER 30 is air-cooled and absolutely vibrationless. Built-in Fusetron protects against overload and two automatic brush stops shut off power when brush needs replacement.

Shaped and balanced for easy handling, PRECISE SUPER 30 is only ½-inch in diameter at the chuck nose (point of finger grip). Tool lies flat when not in use. Aluminum alloy housing is durable and has lifetime chrome finish; all mounting surfaces are precision-machined to insure accurate concentric mounting on machine tools.

The versatility of PRECISE SUPER 30 extends far beyond the range of ordinary handtool applications. Precision set-ups on lathes, milling machines, drill presses are easily accomplished with one of the unique PRECISE Tool Mounts illustrated below.



OUTSTANDING FEATURES

1. **45,000 R.P.M. and 1/5 H.P. on AC/DC in a precision multi-purpose tool weighing only 35 ounces.**
2. **One-piece precision-ground quill.**
3. **Hardened, ground and honed draw type collet reduces diameter at nose to only 1/2" allowing full visibility and complete accuracy over work area. One hex wrench speeds and simplifies chucking.**
4. **Two oversize, micro-precision bearings with lubricant sealed in for life.**
5. **Built-in Fusetron protects against overload.**
6. **Brushes with automatic brush stops protect motor.**

SPECIFICATIONS

VOLTAGES: 115 volts AC/DC, 25-60 cycles. Other voltages available through Voltage Adapter.

SPEEDS: Free speed 45,000 R.P.M. Load speed range between 25,000 R.P.M. and 45,000 R.P.M.

POWER: Maximum output at spindle, 1/5 H.P.

COLLET CHUCK: Precision Draw Collet, Type "S." Size range: 3/32" to 3/16". Special wheel arbor mounts 1/8", 3/16" or 1/4" tools for precision grinding, etc., on machine tools. Metric sizes available.

HOUSING: Aluminum-alloy with precision-machined mounting surfaces and lifetime chrome finish.

CORD: 8-ft. heavy duty Neoprene cording with grounding plug.

TOOL DIMENSIONS: Length, 7⅜". Mounting diameter, 2⅛". Diameter at chuck nose, 1/2".

CAT. NO. 1130 PRECISE SUPER 30 with 1/8" Collet.

CAT. NO. 2130 PRECISE SUPER 30 in steel chest with two PRECISE Collets, 1/8" and 3/16".

Precise TOOL CHEST, MACHINE MOUNTS AND SPEED CONTROL

PRECISE TOOL CHEST

Compact steel chest holds PRECISE SUPER 30 and provides spaces for 45 1/8-inch tools, 35 3/16-inch tools, two collets, wheel arbors, wrenches and instructions.

UNIVERSAL MOUNT

PLANE MOUNT

COMPOUND UNIVERSAL MOUNT

SPEED CONTROL

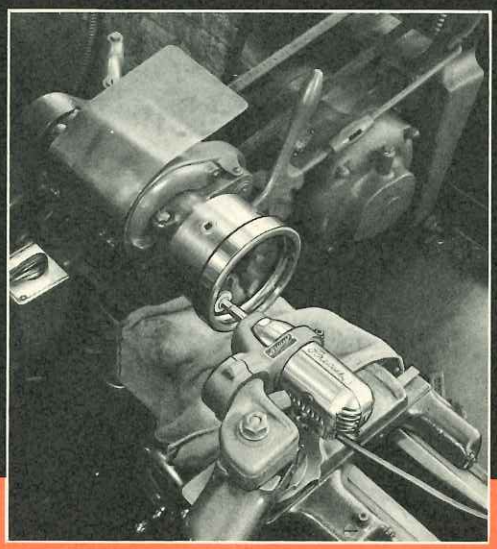
Allows adjustment of speed continuously within a range between 15,000 R.P.M. and 45,000 R.P.M.

SPEED *with* PRECISION *for* MORE USES

PRECISE SUPER 30, a boon to the skilled craftsman.

Milling hardened steel die with Tungsten Carbide Midget Mill.

Routing Masonite model with Tungsten Carbide Midget Mill. PRECISE Universal Mount is used to attach PRECISE SUPER 30 to drill press.

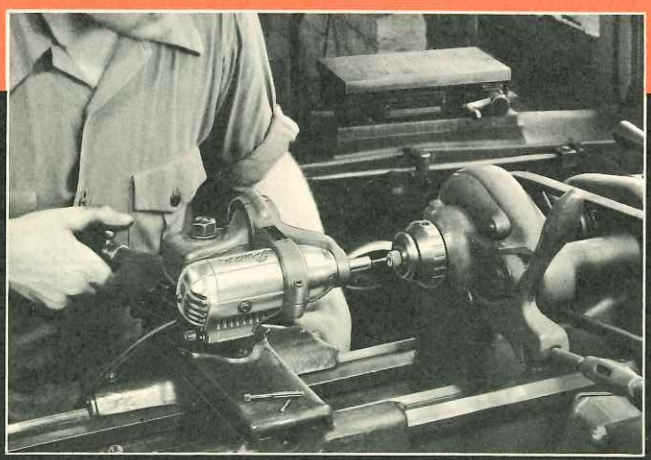


Touching up hardened steel jaws with Tungsten Carbide Midget Mill.

Grinding radius on die with PRECISE SUPER 30 mounted on No. 12 Van Norman Milling Machine.

PRECISION INTERNAL GRINDING AND MILLING WITH PRECISE WHEEL ARBORS

For precision internal grinding and milling on machine mounted set-ups with unmounted abrasive wheels or Tungsten Carbide Micro-mills. Arbors come in 1/8", 3/16" and 1/4" sizes.



Micro-milling drill bushing with Tungsten Carbide Midget Mill. PRECISE SUPER 30 is mounted in lathe.

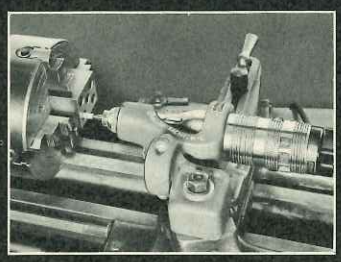
Sharpening tap in large turret lathe with PRECISE SUPER 30.

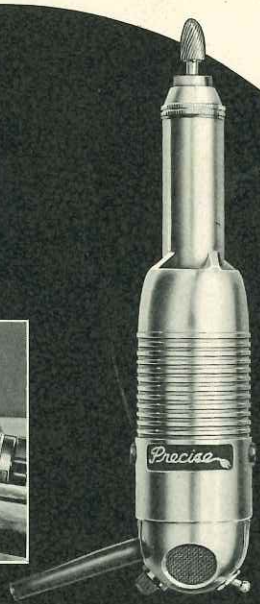
51/166.7
451-363 26
51-166 MP
1954
renewed
5/54

TWO [illegible]DELS BY PRECISE

45,000 R.P.M. AND 1/4 H.P.

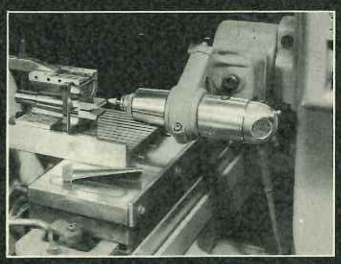
- ★ *New, unbreakable all-metal housings.*
- ★ *New, precision quill and collet chuck.*
- ★ *New, sealed micro-precision bearings.*





PRECISE SUPER 40 GRINDER-MILLER

Designed with long nose for close work either as a hand-tool or in mounted set-ups. Operates on 115 volts AC/DC; other voltages available through Voltage Adapter.

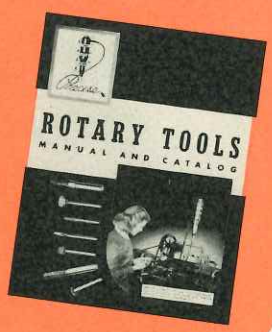


PRECISE SUPER 50 POWER QUILL

For heavy duty in mounted set-ups. Built for precision work in tool room or production. Operates on 115 volts AC/DC; other voltages available through Voltage Adapter.

Write

FOR HELPFUL ROTARY TOOL MANUAL AND CATALOG



All PRECISE Models Operate Tungsten Carbide Mills as Well as Conventional Tools

PRECISE PRODUCTS CORPORATION
1328-30 CLARK ST., RACINE 1, WISCONSIN, U. S. A.
Quality and Precision Since 1882

Litho in U.S.A.

Form C30-10M-9